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SEQUENCE LISTING

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<110> Dyer, Cheryl J.  
Du, Fengxing  
Grosz, Michael D.  
Byatt, John C.

<120> USE OF A SINGLE NUCLEOTIDE POLYMORPHISM IN THE CODING REGION OF  
THE LEPTIN RECEPTOR GENE TO ENHANCE PORK PRODUCTION

<130> 11916.0058.PCUS02

<150> US. 60/553,582

<151> 2004-03-16

<150> U.S. 60/493,158

<151> 2003-08-07

<160> 44

<170> PatentIn version 3.3

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<213> Artificial Sequence

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<213> Sus scrofa

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120

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aatgtcctaa ca gaa ttt att tat gtg ata act gca ttt gac ttg gca tat      171
          Glu Phe Ile Tyr Val Ile Thr Ala Phe Asp Leu Ala Tyr
            1             5             10

cca att act cct tgg aaa ttt aag ttg tct tgc atg cca cca aat aca      219
Pro Ile Thr Pro Trp Lys Phe Lys Leu Ser Cys Met Pro Pro Asn Thr
      15             20             25

aca tat gac ttc ctc ttg cct gct gga atc tca aag aac act tca act      267
Thr Tyr Asp Phe Leu Leu Pro Ala Gly Ile Ser Lys Asn Thr Ser Thr
      30             35             40             45

ttg aat gga cat gat gag gca gtt gtt gaa ang gaa ctt aat nna agt      315
Leu Asn Gly His Asp Glu Ala Val Val Glu Xaa Glu Leu Asn Xaa Ser
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ggt acc tac tta tca aac tta tct tct aaa aca act ttc cac tgt tgc      363
Gly Thr Tyr Leu Ser Asn Leu Ser Ser Lys Thr Thr Phe His Cys Cys
            65             70             75

ttt tgg agt gag gaa gat aaa aac tgc tct gta cat gca gac aac att      411
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Phe Leu Leu Pro Ala Gly Ile Ser Lys Asn Thr Ser Thr Leu Asn Gly  
35 40 45

His Asp Glu Ala Val Val Glu Xaa Glu Leu Asn Xaa Ser Gly Thr Tyr  
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tcttgcatgc caccaaatac aacatatgac ttctctcttg ctgctggaat ctcaaagaac 180  
acttcaactt tgaatggaca tgatgaggca gttgttgaaa cggaacttaa tataagtggg 240  
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<213> Sus scrofa

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<223> N = T or G

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tggcagattt cttacatcgt tattcaatat gagctgcgaa tcatatgctc gtagttagga      180
aaatgtcagg aaaccccag tgtgcctgct ttgtttgaca aagctatatt cgagtcattg      240
tggaaggcaa gggcatccag cgcctggcat ggaggagaag agggtagccc tgccccccac      300
cttcccagcc tttttctgag atgttggtaa ttcggtccta gatgacaagc gctcaactct      360
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<210> 43
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caacagaccc tctgatattt ggaaaagcag aggaaaattt ggaagcccac tgttgcaatc      180
aacaggagct antaaaattt tagtctattt tttcaactct atcagttctt ttcttatact      240
caaatgatta tcctggctat taaataatct ctttcctccc tccacacacc cgctgccagt      300
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<213> Sus scrofa

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